

SOCIETY OF PETROLEUM ENGINEERS
 Wyoming Petroleum Section
 Marron Bingle-Davis, Secretary
 P.O. Box 2154
 Casper, WY 82602-2154



Section Website For Latest News:
<http://wyoming.spe.org/>

2019-2020 Wyoming Petroleum Section				
Section Chairman	Dave Chase	BLM	261-7685	dchase@blm.gov
Treasurer	Julie Cruse	Consultant	258-6092	juliemcruse@gmail.com
Scholarship Chair	Luke Opitz	Bico Drilling	234-7833	lukeopitz1@gmail.com
Program Chairman	Paul Bonifas	Consultant.		paulbonifas@gmail.com
Secretary	Marron Bingle-Davis	Sunshine Valley Petroleum	233-8737	marron@sunshinevalleypetroleum.com
Continuing Education	Xuebing Fu	SWIFFTech	(713) 321-9198	engineerfu@gmail.com
Membership Chair	Sabrina Hamner	WOGCC	234-7147	sabrina.hamner@wyo.gov

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UPCOMING AREA MEETINGS

WYOMING GEOLOGICAL ASSOCIATION –

All **WGA/SPE IN-PERSON MEETINGS FOR SEPTEMBER HAVE BEEN CANCELLED** due to the COVID-19 pandemic. The safety of our membership is of the utmost importance, so we appreciate your patience and understanding during this unpredictable time. The **BELOW TALKS ARE HOSTED VIRTUALLY EVERY FRIDAY AT NOON**. If you would like to attend these virtual talks, please RSVP to wygeology@gmail.com by Thursday to receive the meeting information.

September 4, 2020: No Talk – Have a nice Labor Day!!

September 11, 2020: Lorraine Manz – North Dakota Geological Survey – *On the Nature of Ice Ages*

September 18, 2020: TBA

September 25, 2020 (SPE): Xuebing Fu – SWIFFTech – *Tight Oil EOR through Inter-Fracture Gas Flooding within a Single Horizontal Well*

UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION

September SPE Meeting – Zoom Meeting: Xuebing Fu – SWIFFTech – Tight Oil EOR through Inter-Fracture Gas Flooding within a Single Horizontal Well

October SPE Meeting – Zoom Meeting: TBA

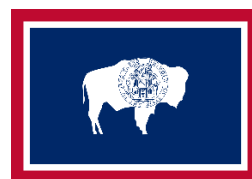
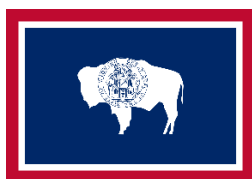




Society of Petroleum Engineers

Wyoming Petroleum Section September 2020 Newsletter

<http://wyoming.spe.org/>



When: September 25, 2020
Where: **VIRTUAL MEETING**
Time: 12:00 PM

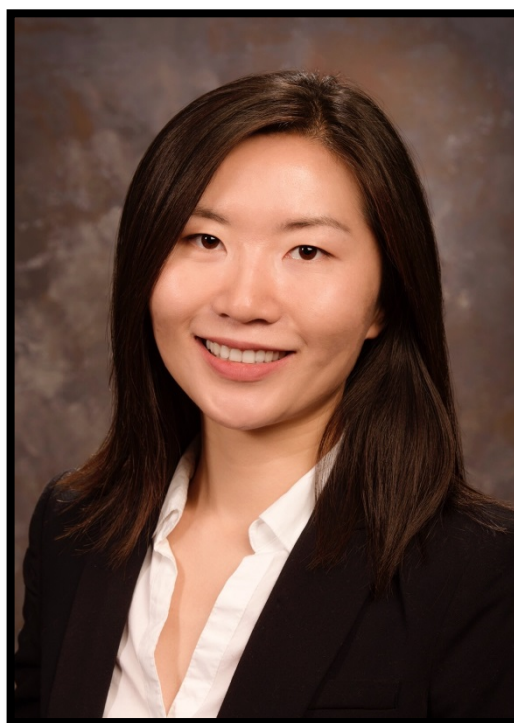
RSVP to
wygeology@gmail.com
for meeting link

Event: Xuebing Fu - SWIFFTech - Tight Oil EOR through Inter-Fracture Gas Flooding within a Single Horizontal Well



BIOGRAPHY:

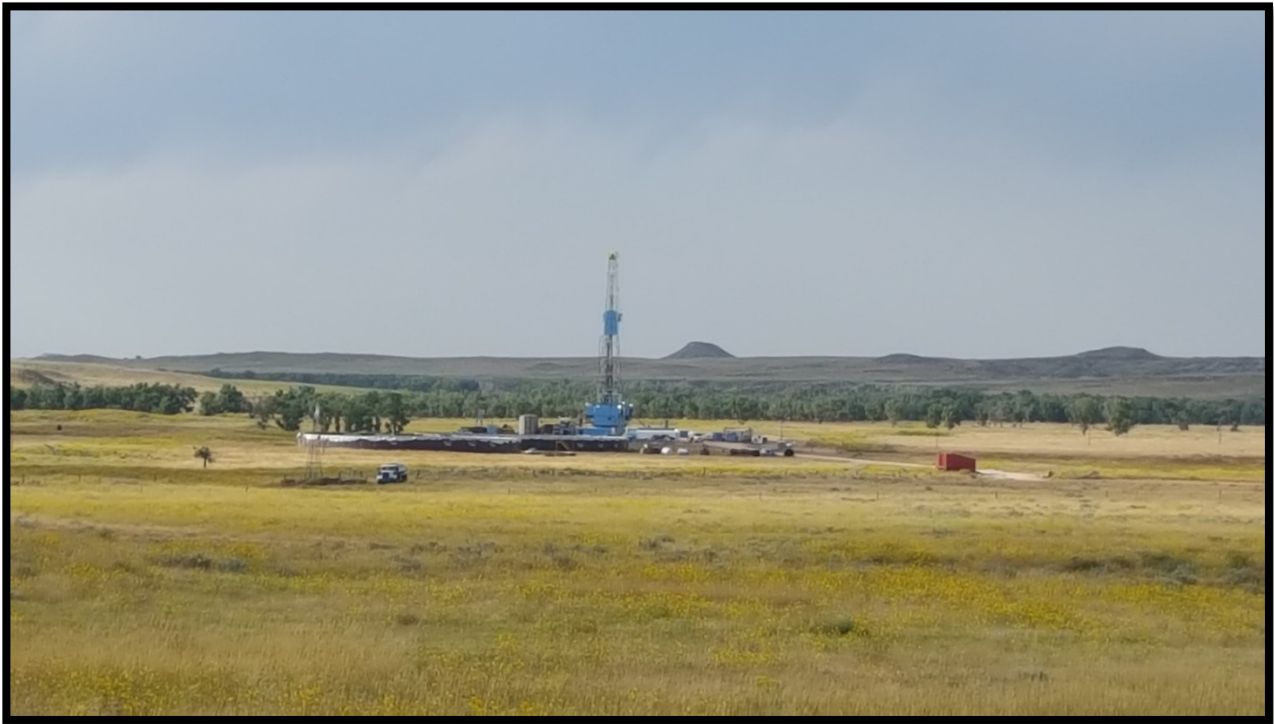
Xuebing Fu is a petroleum engineer and entrepreneur based in Casper, Wyoming. Xuebing has a Ph.D. in Petroleum Engineering and M.S. in Chemistry, both from Texas A&M University. She also holds dual B.S. in chemistry and chemical engineering. Her career began in 2012 as a reservoir engineer at BP, focusing on heavy oil technology. In 2015, she moved on to a lecturer role at the University of Wyoming, where she started looking into tight oil EOR opportunities and independently proposed the concept of Single Well Inter-Fracture Flooding (SWIFF) in 2017. In 2018 she became a consultant in Casper. She carried on the initiative of SWIFF, which has turned into an integrated concept disclosed in paper SPE 196078 and multiple new innovations that are patent pending. She is currently building a technology startup based on the unique set of intellectual properties.



ABSTRACT:

Tight oil production has become significant over the last decade with the success of horizontal drilling and multistage hydraulic fracturing. However, the recovery factor from this process is very low, and no standard secondary recovery method exists after primary depletion. This talk envisions a new secondary recovery method: to use existing hydraulic fractures in a horizontal well as gas injection and oil production sites to conduct gas flooding within a single well. Key aspects are defined and examined, showing promising results. Inter-Fracture flooding may possibly become a standard secondary recovery technique for tight oil reservoirs and add significant reserves.

This seminar is an update of the seminar on the same topic presented at WGA in Oct 2018.



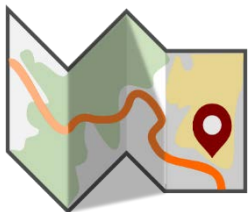


CALENDAR OF EVENTS and NEWS WYOMING PETROLEUM SECTION



Due to our excellent participation in past continuing education events, we will continue to offer these as they become available. Our web address is <http://wyoming.spe.org>

The SPE Wyoming Petroleum Section has sent out letters requesting scholarship sponsors for the 2020 year. Please consider helping out these deserving students in their academic pursuits. Scholarships will be awarded in the Spring of 2020. If you need further information please contact Sabrina Hamner at: sabrina.hamner@wyo.gov



**MEETINGS ARE VIRTUAL
UNTIL FURTHER NOTICE!!**

**RSVP TO wygeology@gmail.com
FOR LINK TO SEE TALKS VIA ZOOM**

UPCOMING OPPORTUNITIES



AMERICAN PETROLEUM INSTITUTE HAPPY HOUR SOCIAL



hosted by



Join us for drinks, food, and a good time

WHEN

Thursday, September 24th
From 5:00 pm to 8:00 pm
Free Drink Tickets w/ Entrance

WHERE

The Gaslight Social
314 W Midwest Ave
Casper, WY 82601

Come down for a few drinks and a great industry networking opportunity. We will also be accepting new API memberships.

Sponsors





****Members - Reservations are Mandatory for Meetings ****
Brandi Butler with WGA is taking phone reservations for meetings at 307-237-0027 or by email at wygeology@gmail.com. RSVP is now mandatory for attendance due before noon two days before the talk so please take a little extra time and call or email so that an accurate headcount can be given to the venue for their meal preparation. This also helps us to get scheduled into a meeting room that is adequately sized for our meetings. Your help in this matter is greatly appreciated.